

Work Experience

Hexcoderz, Vasco da Gama - Goa (Intern) Developed proficiency in UI/UX fundamentals, Figma, HTML, CSS, and JavaScript.	Sep 2021 - Nov 2021 Project lead
Club Mahindra Resort, Varca Beach - Goa (Intern) improved and maintained hotel guest wireless networks for smooth operation.	Jun 2022 - Jul 2022 Network Administrator
YUVA panaji Website - Goa (Fullstack, Developer) Led the design and development of the website Designed and integrated a dashboard to manage content on the website	Apr 2024 - May 2024 Project lead

Projects

Axon <ul style="list-style-type: none">Enables users to submit Study material to generate a quiz of minimum 10 questions, this allows the user to benchmark themselves to know how much they have studied.Leveraged GPU Acceleration to speed up response time by 88% (from 50s - 6s)Integrated a RAG system, users can ask questions to the document and axon will reply with the most correct and suitable answer from the documents. https://github.com/ryzxxn/Axon
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LeafSync

<ul style="list-style-type: none">Engineered a SQL database management tool which allowed me to make and view updates to my Database in real time, ensuring a Seamless user experience.Achieved efficient CPU usage (0.3%) and optimized RAM usage (30-90MB) for enhanced performance.Rendering and state-dependent views loads in an instant (90% faster then something like PhpMyAdmin) https://github.com/ryzxxn/LeafSync/

Personal Image Storage

<ul style="list-style-type: none">Implemented Images/Gifs storage and delivery using the imgBB API for over 10+ users.Unlimited Storage, upload up to 32mb/image enough for 90% of images captured by modern camera devices.Extended it Privacy and security by implementing Google Authentication https://pis.netlify.app/
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memory-state(State-management npm library)

<ul style="list-style-type: none">Published a npm package in javascript that allows users to Manage, Call, Pass and Clear states that can be used within your application.Easy to install by using npm package manager, User friendly syntax.Downloaded and used by more than 300 users. https://www.npmjs.com/package/memory-state
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Skills & Other

Languages	C/C++, Javascript, HTML, CSS, Java, Typescript, Python, PHP, SQL, NoSQL, Shell
Technical	React.js, Next.js, Express, Three.js, Websockets, flask, AWS, Google Cloud , Docker, Figma, Blender, React Native, Data Structures, AI, Machine Learning, LLM, FastAPI, CLI, CI/CD, Github, Linux, Latex, Data Analysis, Database Design, MongoDB, System Design, Firebase, Auth, Postgres, Redis, ChromaDb, Faiss
Soft-skills	Leadership, Open, Public Speaking, Prioritization, Analytical Reasoning

Achievements

Machine learning (trained a machine learning model to recognize numbers in my handwriting) <ul style="list-style-type: none">Trained a machine learning model using keras and tensorflow to recognize handwritten digits https://ai-nr.netlify.app/
Project Exhibition <ul style="list-style-type: none">Runner up for a project exhibition, where we displayed our project evergreen (plant, and essentials e-commerce platform),This netted us the attention of a few founder of startup that we later collaborated on how we could play a crucial role in bridging the gap between clients and suppliers by providing a platform to showcase their trades
API (MISTRAL) LLM running on local-CPU https://github.com/katanaml/llm-mistral-invoice-cpu (OpenSource) <ul style="list-style-type: none">Integrated accessibility and ease of use by replacing CLI (Command Line Interface) with an API
Hackathon (24h) <ul style="list-style-type: none">Participated in a Hackathon at Goa College of Engineering Where I first worked on Axon,This gave me a great perspective on Time management, how to work in a team, Adapt to new technologies and defining clear Goals and working relentlessly to achieve them

Education

Bachelor's Degree in Computer Engineering Fatorda, Goa Don Bosco College of Engineering	Apr 2022 - May 2025 CGPA: 7.00
Diploma in Computer Engineering Verna, Goa Agnel Polytechnic	Jan 2019 - Mar 2022 CGPA: 8.00

Extra Curricular

<ul style="list-style-type: none">Inter-School art competition : Secured 1st place.Organized Incarnate an inter-College, School, Diploma Artwork competition,45+ students participated.
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